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**GENERAL SCOPE NOTES:**

1. BASE BID SCOPE INCLUDES REPLACEMENT OF ALL FAILED AND C-WING RADIATOR TRAPS, AS INDICATED ON THE DRAWINGS. REFER TO SPECIFICATION SECTION 23 22 13.10 FOR RECENTLY PERFORMED STEAM TRAP AUDIT REPORT AND DETAILED SCOPE DESCRIPTION. CONTRACTOR IS RESPONSIBLE FOR ALL PIPING MODIFICATIONS REQUIRED FOR REPLACEMENT TRAPS.

2. BASE BID SCOPE INCLUDES INSTALLING A WIRELESS STEAM TRAP MONITORING SYSTEM ON ALL HIGH AND MEDIUM PRESSURE STEAM TRAPS, AS WELL AS LOW PRESSURE STEAM TRAPS ASSOCIATED WITH HUMIDIFIERS, HEAT EXCHANGERS, AND HEATING COILS. CONTRACTOR SHALL PROVIDE 40 REPEATERS LOCATED THROUGHOUT CAMPUS (FIELD VERIFY FINAL QUANTITY AND LOCATIONS OF REPEATERS WITH RADIO FREQUENCY SCAN). REFER TO 23 22 13.10 FOR WIRELESS STEAM TRAP MONITORING SYSTEM REQUIREMENTS.

3. DEDUCT ALTERNATE 1 OMITS FROM THIS CONTRACTOR'S SCOPE THE REPLACEMENT OF ALL C-WING RADIATOR TRAPS IN BUILDING #1. REFER TO SHEET M500 FOR ADDITIONAL INFORMATION.

4. DEDUCT ALTERNATE 2 OMITS FROM THIS CONTRACTOR'S SCOPE THE MONITORING OF LOW PRESSURE STEAM TRAPS ASSOCIATED WITH HUMIDIFIERS, HEAT EXCHANGERS, AND HEATING COILS. REFER TO SHEET M500 FOR ADDITIONAL INFORMATION.

**GENERAL ELECTRICAL NOTES:**

1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ELECTRICAL REQUIREMENTS FOR REPEATERS, GATEWAYS, ETC. FOR STEAM TRAP MONITORING SYSTEM WITH ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE 120 V POWER AS REQUIRED BY STEAM TRAP MONITORING SYSTEM. FOR BASE BID, CONTRACTORS SHALL INCLUDE ELECTRICAL CONNECTIONS FOR 35 REPEATERS (FIELD VERIFY FINAL QUANTITY AND LOCATIONS OF REPEATERS WITH RADIO FREQUENCY SCAN).

**MECHANICAL DEMOLITION NOTES:**

1. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF DEMOLITION WORK REQUIRED AND DO NOT INDICATE EVERY PIPE, DUCT, OR PIECE OF EQUIPMENT THAT MUST BE REMOVED. ACCESSIBILITY OF EQUIPMENT AND SYSTEMS IS NOT SHOWN NOR SHOULD IT BE INFERRED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.

2. CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH CEILING SYSTEM DISASSEMBLY AND REASSEMBLY TO ACCOMMODATE THIS WORK. CONTRACTOR TO SALVAGE, STORE, AND REINSTALL ALL CEILING MOUNTED DEVICES.

3. CONTRACTOR TO COORDINATE WITH OWNER FOR ALL MECHANICAL SERVICE OUTAGES.

4. CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL PENETRATIONS CREATED BY REMOVAL OF EQUIPMENT, DUCTWORK, PIPING, ETC. TO MATCH EXISTING. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. PATCH TO MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH ARCHITECT/ENGINEER BEFORE PROCEEDING WITH DEMOLITION.

5. CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS TO THE EXISTING HVAC PIPING AND DUCTWORK NECESSARY TO PERMIT THE INSTALLATION OF NEW WORK.

6. WHEN WORK MUST BE PERFORMED ON OPERATING EQUIPMENT, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.

7. EXTEND EXISTING INSTALLATIONS USING MATERIAL AND METHODS COMPATIBLE WITH EXISTING MECHANICAL INSTALLATIONS, OR AS SPECIFIED FOR INTENDED SERVICE.

8. MECHANICAL ITEMS REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.

**GENERAL MECHANICAL NOTES:**

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT ACTUAL INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.

2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. READ ALL SPECIFICATIONS. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.

3. LAYOUT AND COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH ANY FABRICATION OR EQUIPMENT ORDERS.

4. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKING REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.




5. ANY CHANGES THAT ARE REQUIRED TO ELIMINATE CONFLICTS AND RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO THE OWNER.

6. CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT DIFFERENT THAN THE BASIS OF DESIGN.

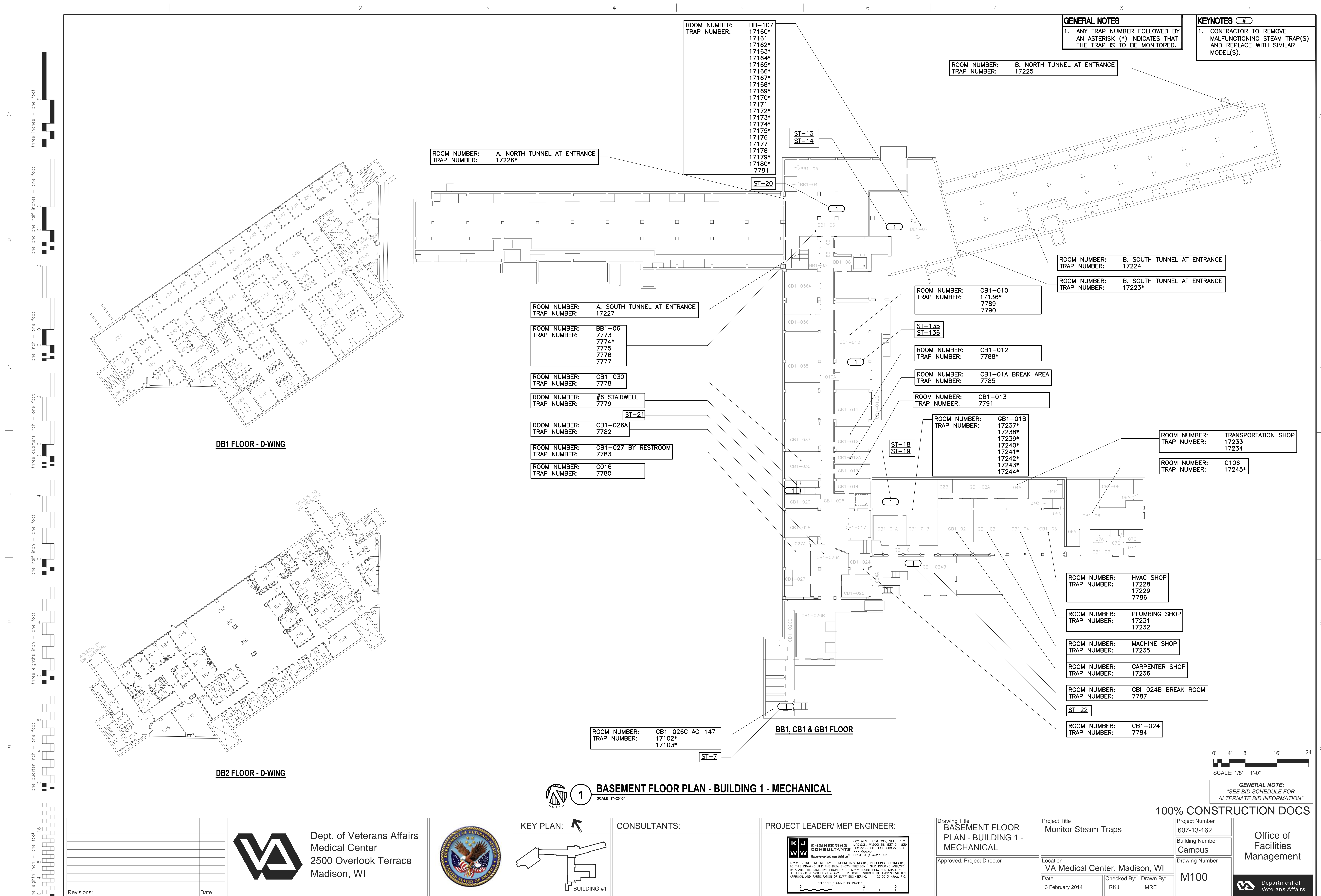
MECHANICAL SYMBOLS LIST	
SYMBOL:	DESCRIPTION:
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW
	NEW CONNECTION
	PRESSURE REDUCING VALVE (STEAM)
	STEAM TRAP (REFER TO SCHEDULE)
	F&T STEAM TRAP (REFER TO SCHEDULE)
	INVERTED BUCKET STEAM TRAP (REFER TO SCHEDULE)
	LOW PRESSURE STEAM
	LOW PRESSURE CONDENSATE
	MEDIUM PRESSURE STEAM
	MEDIUM PRESSURE CONDENSATE
	HIGH PRESSURE STEAM
	HIGH PRESSURE CONDENSATE
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	UNDERFLOOR PIPING (LONG DASHES)
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	THROTTLING VALVE
	AUTOMATIC BALANCING VALVE
	CONTROL VALVE (THREE-WAY)
	CONTROL VALVE (TWO-WAY)
	ALIGNMENT GUIDE
	PIPE ANCHOR
	EXPANSION JOINT
A.C. ASBESTOS ABATEMENT CONTRACTOR	
T.C.C. TEMPERATURE CONTROL CONTRACTOR	
C.C. CIVIL CONTRACTOR	
E.C. ELECTRICAL CONTRACTOR	
F.P.C. FIRE PROTECTION CONTRACTOR	
G.C. GENERAL CONTRACTOR	
H.C. HEATING CONTRACTOR	
M.C. MECHANICAL CONTRACTOR	
P.C. PLUMBING CONTRACTOR	
T.C. TELECOMMUNICATIONS CONTRACTOR	

GENERAL NOTE:  
"SEE BID SCHEDULE FOR  
ALTERNATE BID INFORMATION"

100% CONSTRUCTION DOCS

<div>Revisions:</div> <div>Date</div>		 <div>Dept. of Veterans Affairs Medical Center 2500 Overlook Terrace Madison, WI</div>		KEY PLAN:		CONSULTANTS:		PROJECT LEADER/ MEP ENGINEER:		<div><div><div><div>K</div><div>J</div><div>W</div><div>W</div></div><div>ENGINEERING CONSULTANTS</div><div>Experience you can build on™</div></div><div><small>KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2013 KJWW, P.C.</small></div><div>REFERENCE SCALE IN INCHES</div><div><div>0</div><div>1</div><div>2</div><div>3</div></div></div>	Drawing Title <b>COVER SHEET - MECHANICAL</b>	Project Title Monitor Steam Traps		Location VA Medical Center, Madison, WI		Date 3 February 2014		Checked By: RKJ		Drawn By: MRE		Project Number 607-13-162		Building Number Campus		Drawing Number M000		Office of Facilities Management		 Department of Veterans Affairs	
Approved: Project Director																															

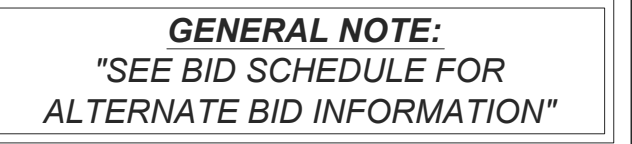








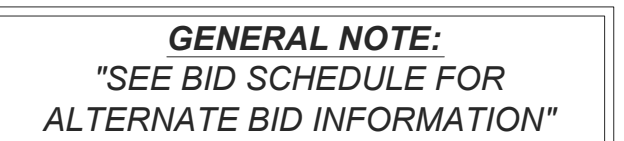




Department of  
Veterans Affairs

Drawn By:





Department of  
Veterans Affairs

ter, Madison, WI

Checked By:	Drawn By:
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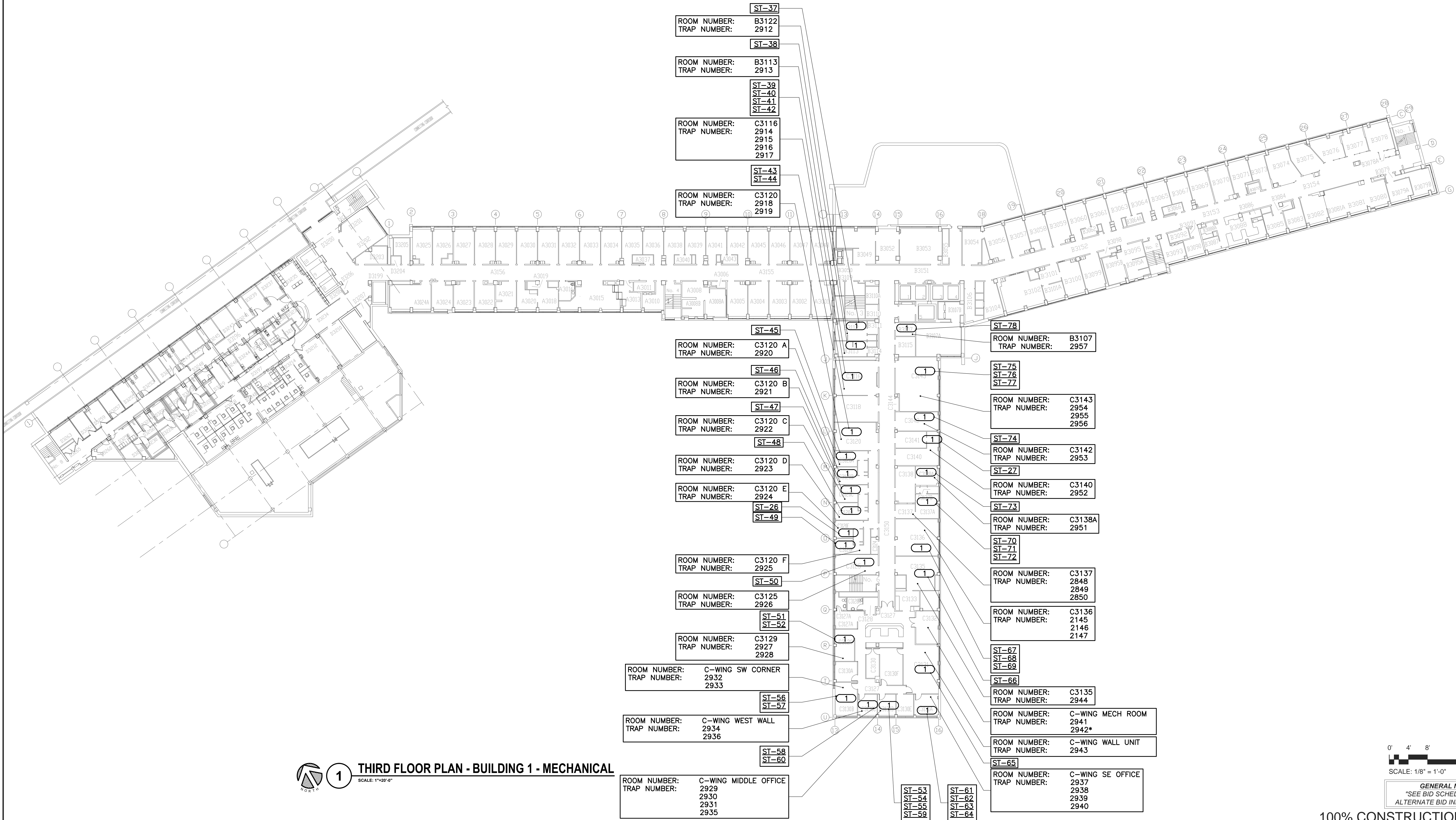


GENERAL NOTES

1. ANY TRAP NUMBER FOLLOWED BY AN ASTERISK (\*) INDICATES THAT THE TRAP IS TO BE MONITORED.

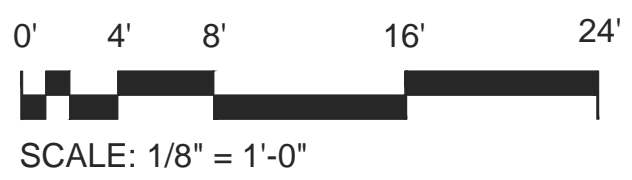
KEYNOTES

1. CONTRACTOR TO REMOVE MALFUNCTIONING STEAM TRAP(S) AND REPLACE WITH SIMILAR MODEL(S).



1 THIRD FLOOR PLAN - BUILDING 1 - MECHANICAL



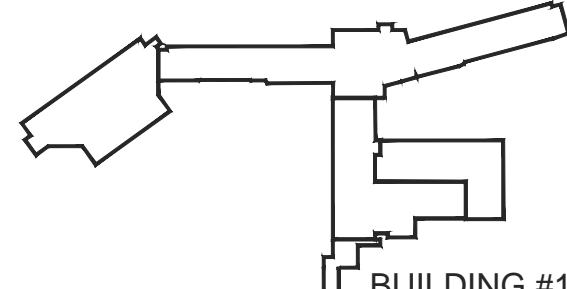


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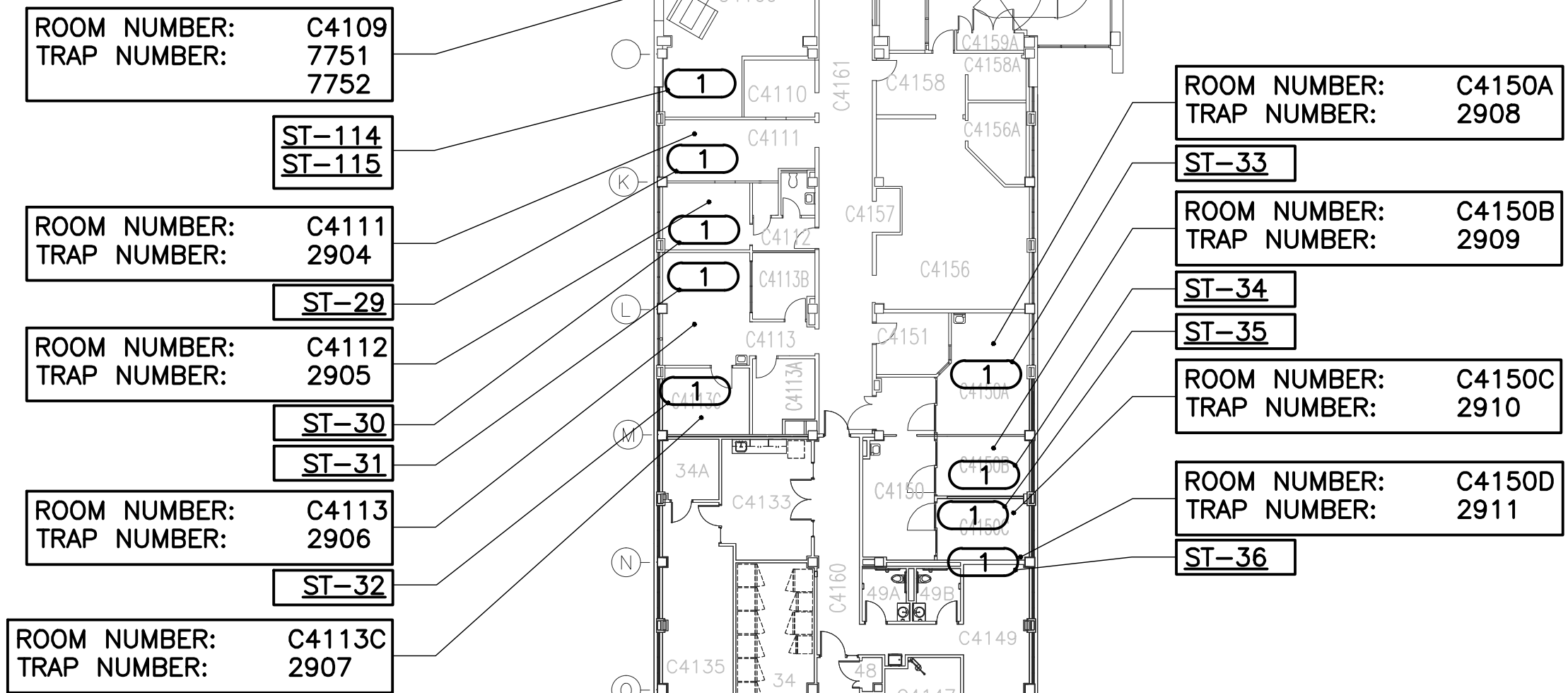
SCALE: 1/8" = 1'-0"

GENERAL NOTE:  
"SEE BID SCHEDULE FOR  
ALTERNATE BID INFORMATION"

100% CONSTRUCTION DOCS

Revisions:	Date:	 Dept. of Veterans Affairs Medical Center 2500 Overlook Terrace Madison, WI		KEY PLAN:  BUILDING #1	CONSULTANTS:	PROJECT LEADER/ MEP ENGINEER:  K&J ENGINEERING CONSULTANTS 602 WEST BROADWAY, SUITE 312 MADISON, WISCONSIN 53713-1838 608.223.9600 FAX: 608.223.9601 www.kjeng.com PROJECT #13.0442.02 K&J ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. NO DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF K&J ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF K&J ENGINEERING. © 2013 K&J, P.C.	Drawing Title THIRD FLOOR PLAN - BUILDING 1 - MECHANICAL Approved: Project Director	Project Title Monitor Steam Traps	Project Number 607-13-162 Building Number Campus	Location VA Medical Center, Madison, WI	Date 3 February 2014	Checked By: RKJ	Drawn By: MRE	Drawing Number M104	Office of Facilities Management 
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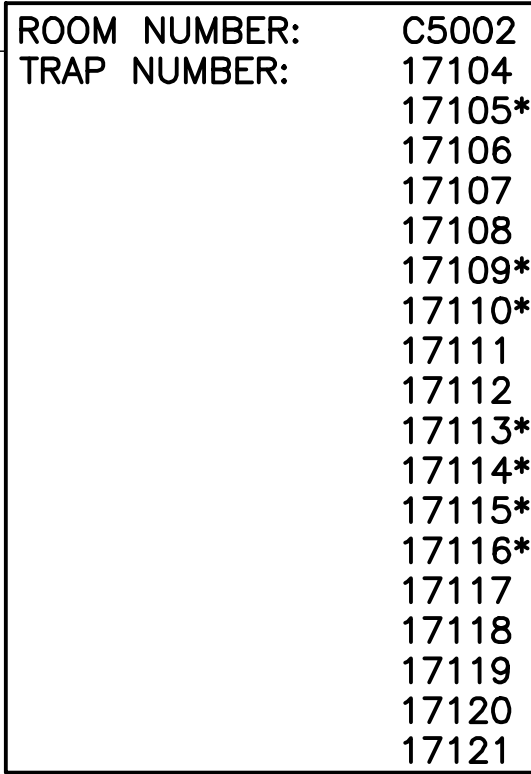
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SCALE: 1/8" = 1'-0"

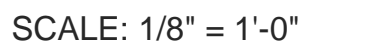
## 100% CONSTRUCTION DOCS

VA FORM 08-6231, OCT 1978





SCALE: 1"=20'-0"



## 100% CONSTRUCTION DOCS

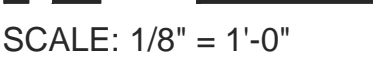


Department of  
Veterans Affairs





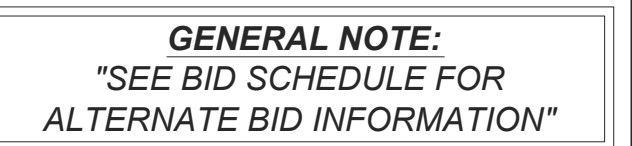
SCALE: 1"=20'-0"



## 100% CONSTRUCTION DOCS

VA FORM 08-6231, OCT 1978



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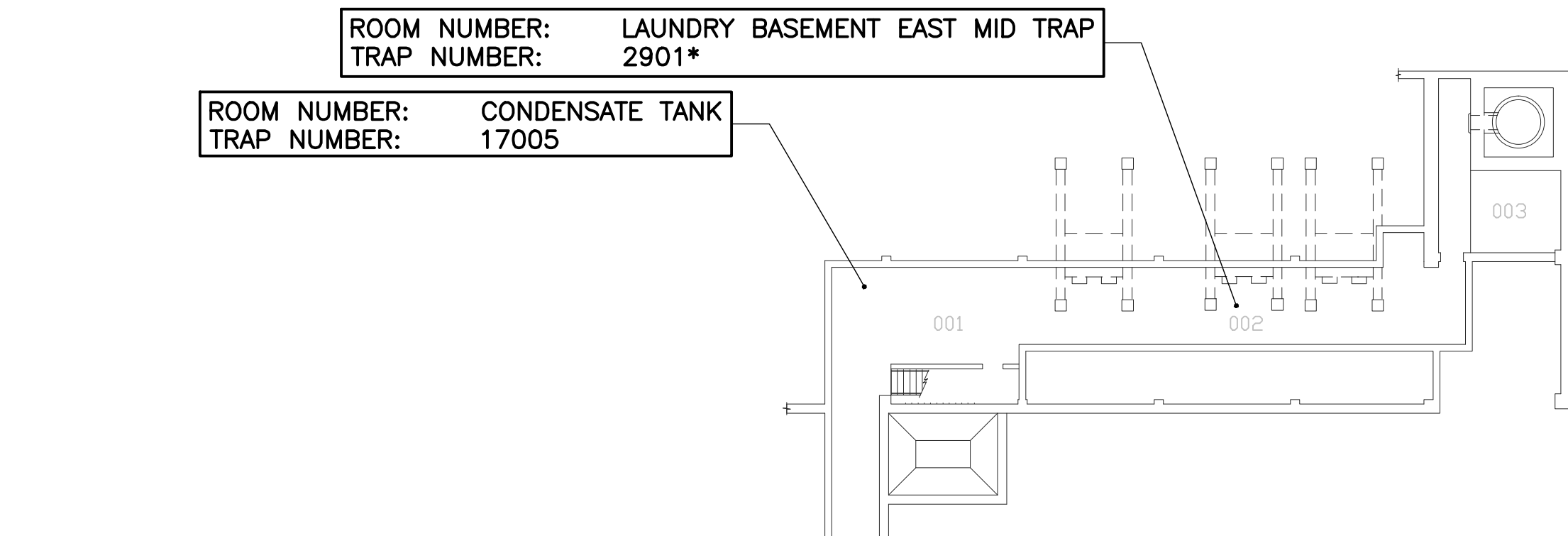
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

GENERAL NOTES

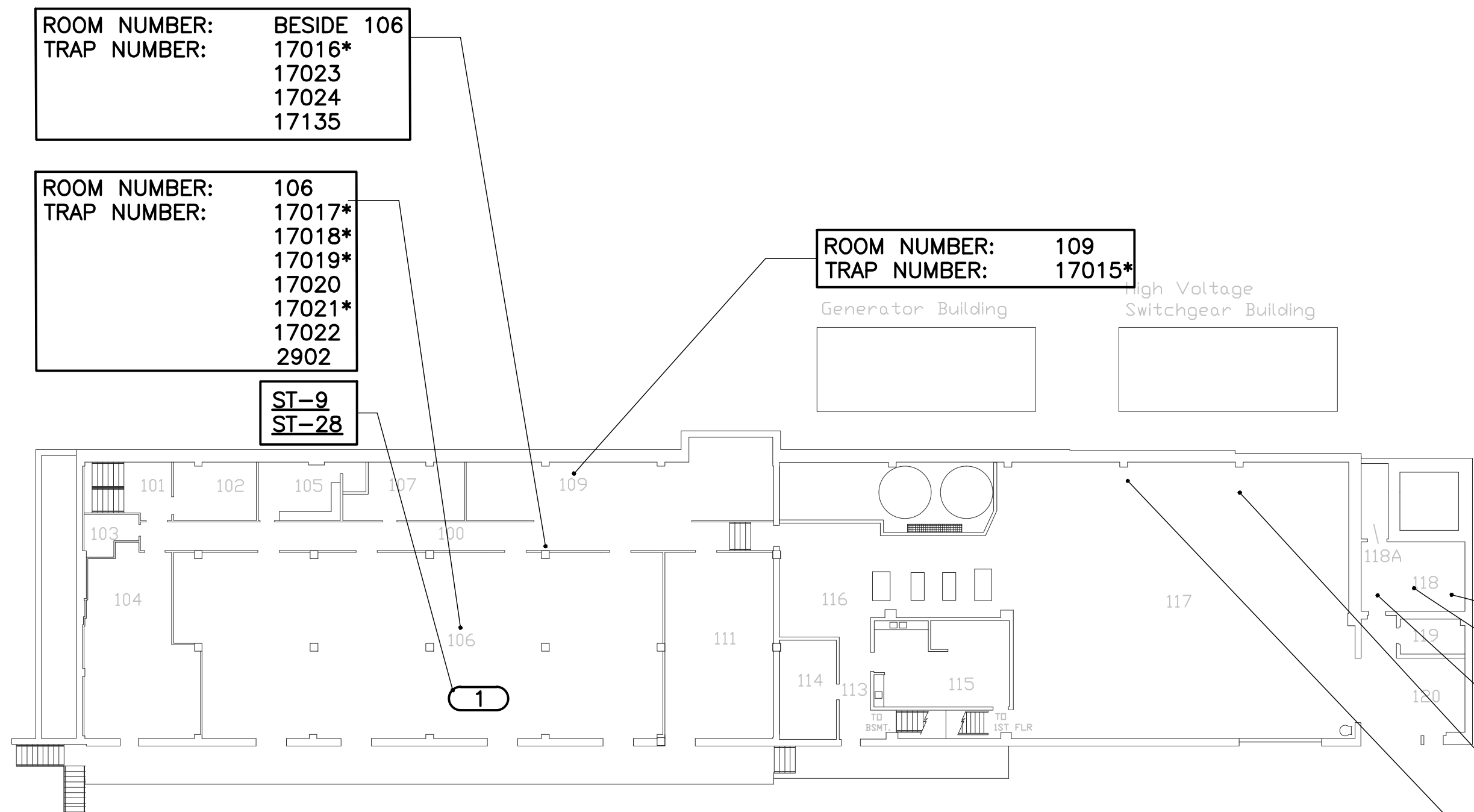
1. ANY TRAP NUMBER FOLLOWED BY AN ASTERISK (\*) INDICATES THAT THE TRAP IS TO BE MONITORED.

KEYNOTES

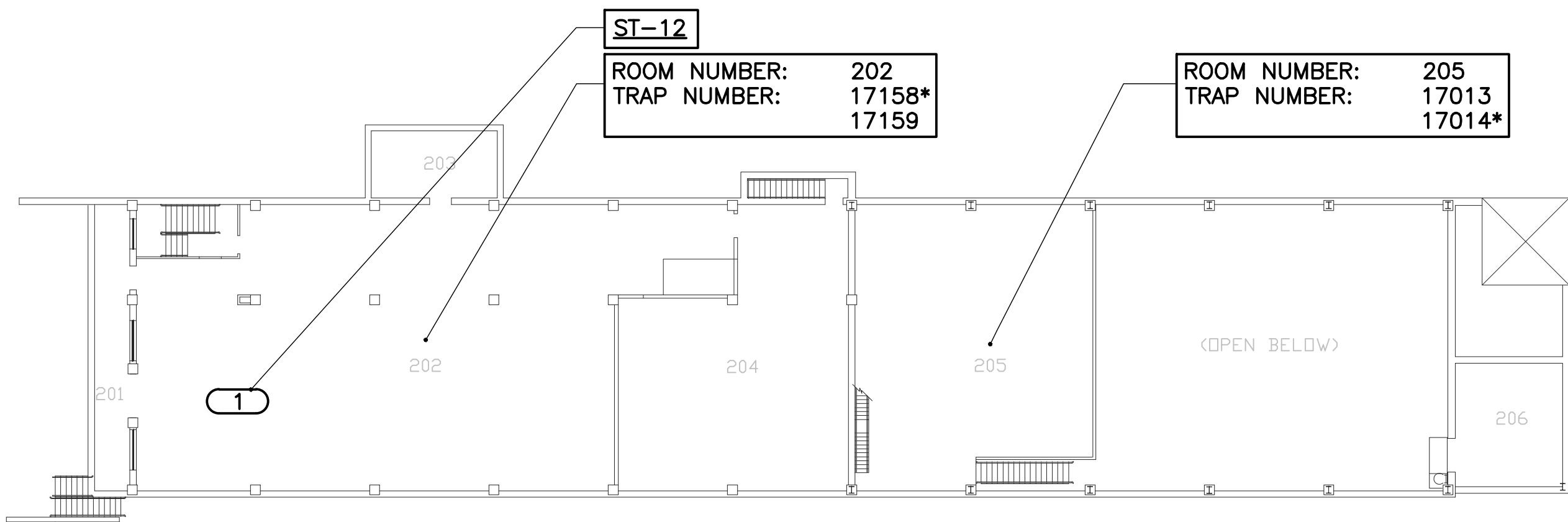
1. CONTRACTOR TO REMOVE MALFUNCTIONING STEAM TRAP(S) AND REPLACE WITH SIMILAR MODEL(S).



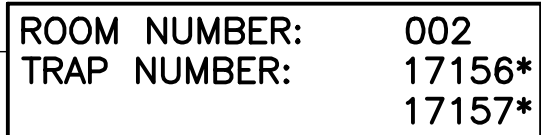
1 BASEMENT PLAN - BUILDING 2 - MECHANICAL SCALE: 1"=20'-0"



2 GROUND FLOOR PLAN - BUILDING 2 - MECHANICAL SCALE: 1"=20'-0"







1

SCALE: 1/8"=1'-0"



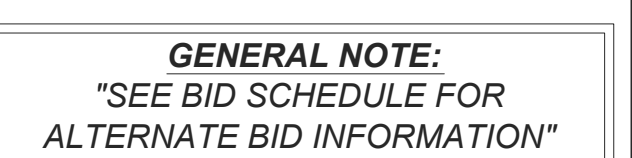
2


SCALE: 1/8"=1'-0"



3

SCALE: 1/8"=1'-0"



WI n By: RE	Project Number 607-13-162	Office of Facilities Management
	Building Number Campus	
	Drawing Number M110	
		 Department of Veterans Affairs

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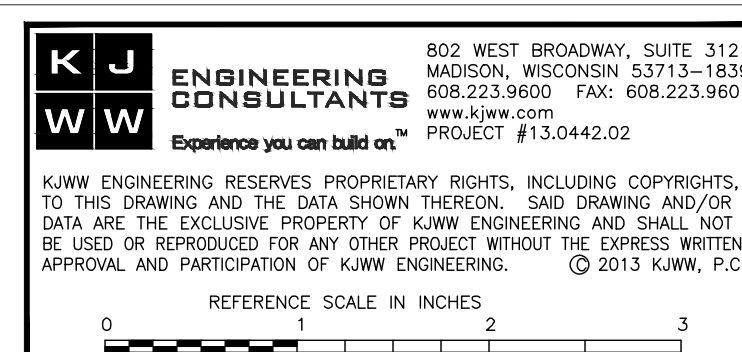
Dept. of Veterans Affairs  
Medical Center  
2500 Overlook Terrace  
Madison, WI



BUILDING #5

CONSULTANTS:

PROJECT LEADER/ MEP ENGINEER:



	Drawing Title
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BUILDING 5 -  
MECHANICAL

Approved: Project Director

Project Title
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### Monitor Steam Traps

Location	

Date  
3 February 2014

Checked By:	RKJ
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Drawn By:  
MRE

Project Number

607-13-162

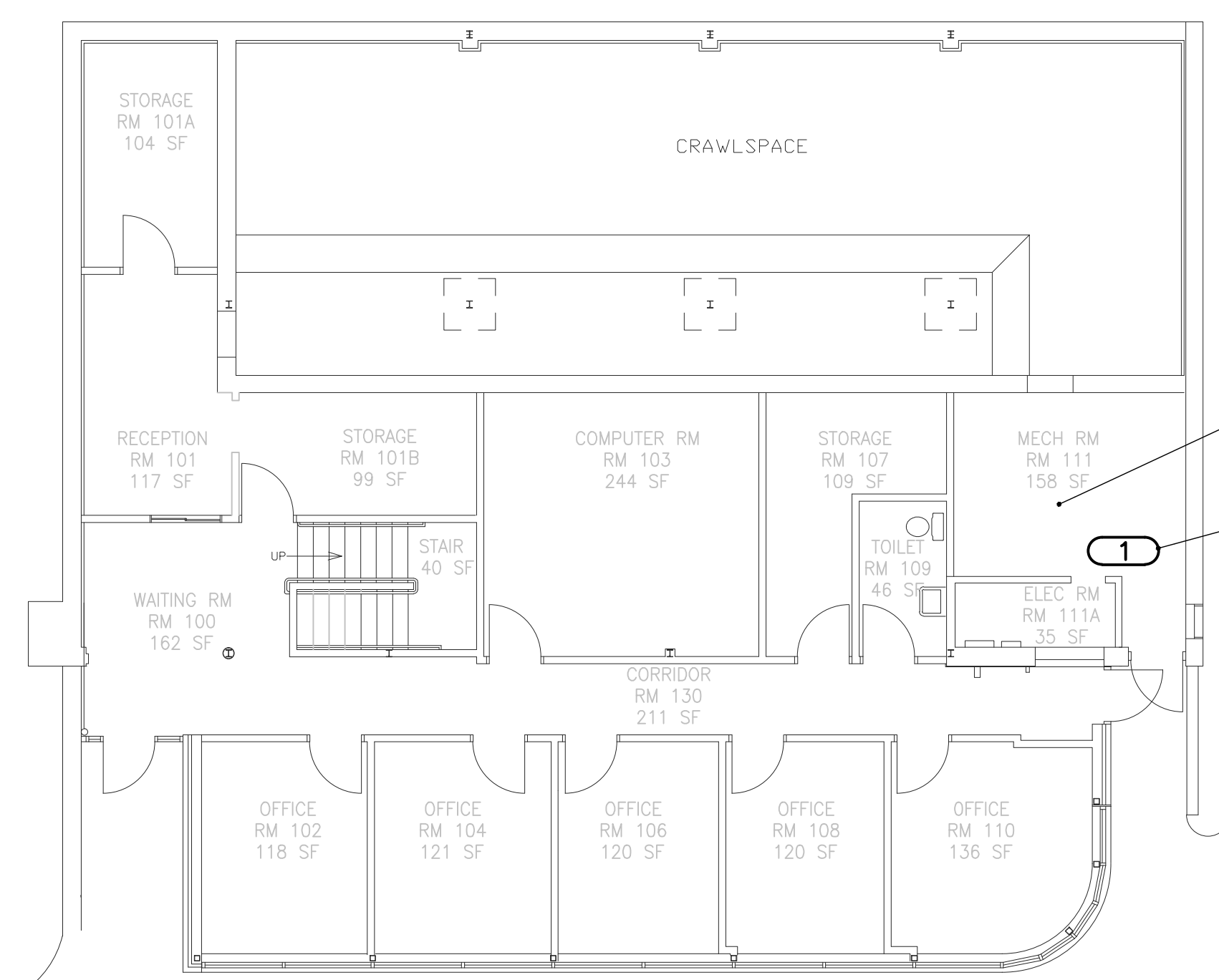
Building Number	
Campus	

Drawing Number
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Office of  
Facilities  
Management







## FIRST FLOOR PLAN - BUILDING 7 - MECHANICAL

SCALE: 1/8"=1'-0"



## SECOND FLOOR PLAN - BUILDING 7 - MECHANICAL

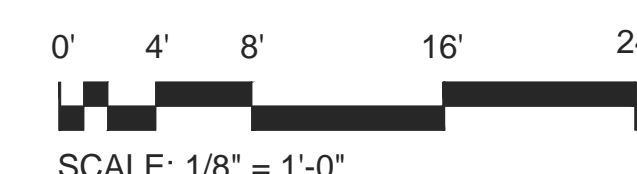
SCALE: 1/8"=1'-0"

## GENERAL NOTES

1. ANY TRAP NUMBER FOLLOWED BY AN ASTERISK (\*) INDICATES THAT THE TRAP IS TO BE MONITORED.



KEYNOTES 

1. CONTRACTOR TO REMOVE MALFUNCTIONING STEAM TRAP AND REPLACE WITH SIMILAR MODEL.



**GENERAL NOTE:**  
"SEE BID SCHEDULE FOR  
ALTERNATE BID INFORMATION"

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 <div>Dept. of Veterans Affairs Medical Center 2500 Overlook Terrace Madison, WI</div>		KEY PLAN:   BUILDING #7	CONSULTANTS:	PROJECT LEADER/ MEP ENGINEER: 	Drawing Title <b>MENTAL HEALTH CLINIC - BUILDING 7 - MECHANICAL</b>  Approved: Project Director	Project Title Monitor Steam Traps	Project Number 607-13-162	Office of Facilities Management 	
						Location VA Medical Center, Madison, WI	Building Number Campus		Drawing Number M111
Revisions:	Date					Date 3 February 2014	Checked By: RKJ	Drawn By: MRE	







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three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

STEAM TRAP MONITORING SCHEDULE				
BASE BID				
2901	17053	17089	17146	17196
2903	17054	17090	17150	17198
2942	17055	17091	17152	17199
7774	17056	17092	17153	17202
7788	17057	17093	17155	17203
17006	17058	17094	17156	17204
17067	17059	17095	17157	17205
17014	17060	17096	17158	17206
17015	17061	17097	17160	17207
17016	17062	17098	17162	17208
17017	17063	17099	17163	17209
17018	17064	17100	17164	17210
17019	17065	17101	17165	17212
17021	17066	17102	17166	17213
17026	17067	17103	17167	17215
17027	17068	17105	17168	17216
17028	17069	17109	17169	17217
17029	17070	17110	17170	17219
17031	17071	17113	17172	17220
17032	17072	17114	17173	17221
17033	17073	17115	17174	17223
17035	17074	17116	17175	17226
17036	17075	17122	17179	17237
17040	17076	17123	17180	17238
17041	17077	17127	17181	17239
17042	17078	17129	17183	17240
17043	17079	17130	17184	17241
17044	17080	17131	17185	17242
17045	17081	17132	17186	17243
17046	17082	17133	17189	17244
17047	17083	17134	17190	17245
17048	17084	17136	17191	17246
17049	17085	17137	17192	
17050	17086	17143	17193	
17051	17087	17144	17194	
17052	17088	17145	17195	

NOTES:  
1. REFER TO STEAM TRAP AUDIT IN SPECIFICATION SECTION 23.22.13.10 FOR EXISTING TRAP TAG NUMBERS AND FURTHER INFORMATION.

STEAM TRAP MONITORING SCHEDULE				
DEDUCT ALTA2: REMOVE THE FOLLOWING TRAPS FROM BASE BID:				
2942	17055	17122	17157	17212
7788	17036	17123	17174	17213
17021	17040	17127	17175	17215
17026	17105	17129	17179	17216
17027	17109	17130	17184	17217
17028	17110	17131	17185	17219
17029	17113	17146	17186	
17031	17114	17150	17189	
17032	17115	17152	17198	
17033	17116	17153	17202	

NOTES:  
1. REFER TO STEAM TRAP AUDIT IN SPECIFICATION SECTION 23.22.13.10 FOR EXISTING TRAP TAG NUMBERS AND FURTHER INFORMATION.

NEW STEAM TRAP SCHEDULE							
BASE BID							
MARK	TAG #	LOCATION	SYSTEM AND/OR SERVICE	MIN INLET PRESS	TRAP TYPE	TRAP SIZE	EXISTING MODEL FOR REFERENCE
				PSI			
ST-1	17027	BLDG 1 08207 AHU 143	COIL	15	FLOAT & THERMOSTATIC	1	ARMSTRONG 15B4
ST-2	17028	BLDG 1 08207 AHU 143	COIL	15	FLOAT & THERMOSTATIC	1	ARMSTRONG 15B4
ST-3	17031	BLDG 1 08207 AHU 14D	COIL	15	FLOAT & THERMOSTATIC	1.25	ARMSTRONG 15B5
ST-4	17052	BLDG 1 B-5080 AHU 117	COIL	40	FLOAT & THERMOSTATIC	2	ARMSTRONG 30B8
ST-5	17062	BLDG 1 B-2142 AHU 114	DRIP	40	INVERTED BUCKET	.75	ARMSTRONG 800-B
ST-6	17069	BLDG 1 B-2104 AHU 446	COIL	40	FLOAT & THERMOSTATIC	1.5	ARMSTRONG 30B6
ST-7	17103	BLDG 1 CB1-020C AC 147	COIL	40	FLOAT & THERMOSTATIC	1	TRANE 55AL
ST-8	17133	BLDG 3 ROOF AHU 105	UNIT HEATER	40	FLOAT & THERMOSTATIC	1.5	SPIRAX SARCO FT-15
ST-9	17135	BLDG 2 BESIDE AHU RM 106	DRIP	15	FLOAT & THERMOSTATIC	1	UNKNOWN - FIELD VERIFY
ST-10	17138	BLDG 12 32 MER PRV STATION	DRIP	15	FLOAT & THERMOSTATIC	.75	SPIRAX SARCO FT53-15
ST-11	17155	BLDG 7 MER 111 PRV	DRIP	120	INVERTED BUCKET	.75	ARMSTRONG 811-125
ST-12	17158	202 LAUNDRY 1ST FLOOR GARMENT TUNNEL	DRIP	120	INVERTED BUCKET	.5	ARMSTRONG 800-125
ST-13	17160	BLDG 1 BB1-07 PRV STATION	DRIP	120	INVERTED BUCKET	.75	ARMSTRONG 800-125
ST-14	17173	BLDG 1 BB1-07 1 HHX	HEAT EXCHANGER	40	FLOAT & THERMOSTATIC	2	UNKNOWN - FIELD VERIFY
ST-15	17199	BLDG 9TH FLOOR PENTHOUSE PRV STATION	DRIP	120	FLOAT & THERMOSTATIC	.75	SPIRAX SARCO FT-125
ST-16	17201	BLDG 9TH FLOOR PENTHOUSE PRV STATION	DRIP	15	FLOAT & THERMOSTATIC	.75	TLV J3N-10
ST-17	17221	BLDG 1 D-2206 PRV	DRIP	40	FLOAT & THERMOSTATIC	.75	TLV J5N-4
ST-18	17239	BLDG 3 GB1-018 MER LEFT WALL	HEAT EXCHANGER	40	FLOAT & THERMOSTATIC	2	UNKNOWN - FIELD VERIFY
ST-19	17244	BLDG 3 HHX	HEAT EXCHANGER	40	FLOAT & THERMOSTATIC	1.5	UNKNOWN - FIELD VERIFY
ST-20	7774	BLDG 1 BB1-06 NEXT TO COND. PUMP	DRIP	120	FLOAT & THERMOSTATIC	.75	TLV J3X-10
ST-21	7779	BLDG 1 #6 STARWELL	RADIATOR	15	FLOAT & THERMOSTATIC	.75	TLV J3X-2
ST-22	7787	BLDG 1 24B BREAK ROOM	RADIATOR	15	RADIATOR STEAM TRAP	.75	BARNES & JONES VAC-25
ST-23	7763	BLDG 1 C131B	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-24	2987	BLDG 1 C1142 F	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-25	2990	BLDG 1 C1142 C	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-26	2924	BLDG 1 C1312D E	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-27	2952	BLDG 1 C1314D	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-28	2902	BLDG 2 WEST END BY STORAGE TANK	DRIP	15	FLOAT & THERMOSTATIC	.75	SPIRAX SARCO FT-15
ST-29	2904	BLDG 1 STERILE STORAGE C4111	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-30	2905	BLDG 1 C4112	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-31	2906	BLDG 1 C4113	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-32	2907	BLDG 1 C4113C	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-33	2908	BLDG 1 C4150A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-34	2909	BLDG 1 C4150B	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-35	2910	BLDG 1 C4150C	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-36	2911	BLDG 1 C4150D	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-37	2912	BLDG 1 B3112	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-38	2913	BLDG 1 B3113	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-39	2914	BLDG 1 C3116 NUTRITION	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-40	2915	BLDG 1 C3116 NUTRITION	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-41	2916	BLDG 1 C3116 NUTRITION	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-42	2917	BLDG 1 C3116 NUTRITION	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-43	2918	BLDG 1 C3120	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-44	2919	BLDG 1 C3120	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-45	2920	BLDG 1 C3120B	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-47	2922	BLDG 1 C3120C	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-48	2923	BLDG 1 C3120D	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-49	2925	BLDG 1 C3120F	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-50	2926	BLDG 1 C3125	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25

NEW STEAM TRAP SCHEDULE							
BASE BID							
MARK	TAG #	LOCATION	SYSTEM AND/OR SERVICE	MIN INLET PRESS	TRAP TYPE	TRAP SIZE	EXISTING MODEL FOR REFERENCE
				PSI			
ST-51	2927	BLDG 1 C3129	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-52	2928	BLDG 1 C3129 E WALL	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-53	2929	BLDG 1 3RD FLOOR, C-WING, MIDDLE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-54	2930	BLDG 1 3RD FLOOR, C-WING, MIDDLE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-55	2931	BLDG 1 3RD FLOOR, C-WING, MIDDLE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-56	2932	BLDG 1 3RD FLOOR, C-WING, SW CORNER	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-57	2933	BLDG 1 3RD FLOOR, C-WING, SW CORNER	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-58	2934	BLDG 1 3RD FLOOR, C-WING, WEST WALL	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-59	2935	BLDG 1 3RD FLOOR, C-WING WEST WALL MIDDLE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-60	2936	BLDG 1 3RD FLOOR, C-WING WEST WALL N. OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-61	2937	BLDG 1 3RD FLOOR, C-WING WEST WALL SE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-62	2938	BLDG 1 3RD FLOOR, C-WING WEST WALL SE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-63	2939	BLDG 1 3RD FLOOR, C-WING WEST WALL SE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-64	2940	BLDG 1 3RD FLOOR, C-WING WEST WALL SE OFFICE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-65	2943	BLDG 1 3RD FLOOR, C-WING WALL UNIT	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-66	2944	BLDG 1 C3135	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-67	2945	BLDG 1 C3136	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-68	2946	BLDG 1 C3136	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-69	2947	BLDG 1 C3136	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-70	2948	BLDG 1 C3137	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-71	2949	BLDG 1 C3137	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-72	2950	BLDG 1 C3137	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-73	2951	BLDG 1 C3138A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-74	2953	BLDG 1 C3142	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-75	2954	BLDG 1 C3143 RIGHT	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-76	2955	BLDG 1 C3143 MID	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-77	2956	BLDG 1 C3143 LEFT	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-78	2957	BLDG 1 B3107	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-79	2958	2ND FLOOR, C-WING RACK STORAGE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-80	2959	2ND FLOOR, C-WING RACK STORAGE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-81	2960	BLDG 1 2ND FLOOR, C-WING KITCHEN DISH STORAGE	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-82	2961	BLDG 1 WEST WALL ACROSS 2134	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-83	2962	BLDG 1 C2139	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-84	2963	BLDG 1 C2134	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-85	2964	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-86	2965	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-87	2966	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-88	2967	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-89	2968	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-90	2969	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-91	2970	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-92	2971	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-93	2972	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-94	2973	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-95	2974	BLDG 1 C2118	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-96	2981	BLDG 1 1ST FLOOR, C-WING PHARMACY	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25

NEW STEAM TRAP SCHEDULE							
BASE BID							
MARK	TAG #	LOCATION	SYSTEM AND/OR SERVICE	MIN. RULPT. PRESS.	TRAP TYPE	TRAP SIZE	EXISTING MODEL FOR REFERENCE
				PSI		IN.	
ST-97	2982	BLDG 1 1ST FLOOR, C-WING PHARMACY	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-98	2983	BLDG 1 1ST FLOOR, C-WING PHARMACY	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-99	2984	BLDG 1 1ST FLOOR, C-WING PHARMACY	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-100	2985	BLDG 1 1ST FLOOR, C-WING PHARMACY	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-101	2986	BLDG 1 1ST FLOOR, C-WING PHARMACY	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-102	2988	BLDG 1 C1142 E	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-103	2989	BLDG 1 C1142 D	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-104	2991	BLDG 1 C1142B	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-105	2992	BLDG 1 C1125	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-106	2993	BLDG 1 1ST FLOOR, C-WING CREDIT UNION	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-107	2994	BLDG 1 1ST FLOOR, C-WING CREDIT UNION	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-108	2995	BLDG 1 C1123 B	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-109	2998	BLDG 1 C1123 A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-110	2997	BLDG 1 B1566 A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-111	2998	BLDG 1 B1566 A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-112	2999	BLDG 1 1ST FLOOR, C-WING NORTH EAST WALL UNIT	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-113	3000	BLDG 1 1ST FLOOR, C-WING NORTH E. WALL MID UNIT	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-114	7751	BLDG 1 C4109	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-115	7752	BLDG 1 C4108	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-116	7753	BLDG 1 C2117	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-117	7754	BLDG 1 C1211	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-118	7755	BLDG 1 C2121	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-119	7756	BLDG 1 C2121	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-120	7757	BLDG 1 C2121	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-121	7758	BLDG 1 C2121	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-122	7759	BLDG 1 C2121	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-123	7760	BLDG 1 C1123 C&D	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-124	7761	BLDG 1 C168A A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-125	7762	BLDG 1 C168A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-126	7764	BLDG 1 G131 A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-127	7765	BLDG 1 C130 A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-128	7766	BLDG 1 C130 A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-129	7767	BLDG 1 C129	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-130	7768	BLDG 1 C129	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-131	7769	BLDG 1 C121 A	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-132	7770	BLDG 1 C120	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-133	7771	BLDG 1 C120	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-134	7772	BLDG 1 C120	RADIATOR	15	RADIATOR STEAM TRAP	.5	BARNES & JONES VAC-25
ST-135	7789	BLDG 1 CR1-010	RADIATOR	15	FLOAT & THERMOSTATIC TRAP	.75	TLV J3X-2
ST-136	7790	BLDG 1 CR1-010	RADIATOR	15	THERMODYNAMIC DISC TRAP		TLV P46SR